	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
1	BRS	L1	33	("lithium niobate" or linbo3) and euler adj1 angles\$1	USPAT	2007/08/2 8 14:41	·
2	BRS	L2	14	("lithium niobate" or linbo3) and euler adj1 angles\$1		2007/08/2 8 14:54	
3	BRS	L3	5	("lithium niobate" or linbo3) and euler adjl angles\$1	USOCR; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/08/2 8 15:11	
4	BRS	L4	0	("lithium niobate" or linbo3) and stonely	USOCR; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/08/2 8 15:11	
5	BRS	L5	10	("lithium niobate" or linbo3) and stonely	US- PGPUB ; USPAT	2007/08/2 8 15:15	
6	BRS	L6	292	("lithium niobate" or linbo3) and "acoustic velocity"	US- PGPUB ; USPAT	2007/08/2 8 15:31	
7	BRS	L7	12	("lithium niobate" or linbo3) and "acoustic velocity" and euler	US- PGPUB ; USPAT	2007/08/2 8 15:31	

	Туре	L	#	Hits	Search Text	DBs	Time Stamp	Comment
8	BRS	L8		10459 91	stoneley wave	1	2007/08/2 8 16:01	
9	BRS	L9		257	"stoneley wave"	1	2007/08/2 8 16:02	
10	BRS	L10)		"stoneley wave" not borehole	1	2007/08/2 8 16:16	

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
11	BRS	L11	55	boundary adj3 wave and (linbo3 or "lithium niobate")		2007/08/2 8 16:17	
12	BRS	L12	1	boundary adj3 wave and (linbo3 or "lithium niobate") and euler		2007/08/2 8 16:17	

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	AND
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Text Search	If you want to conduct a Number Search, please click on the button to the right.					
Applicant,Title	e of invention,Abstract e.g. computer semiconductor					
	If you use the AND/OR operation, please leave a SPACE between keywords. One letter word or Stopwords are not searchable.					
linbo3	AND					
	AND					
euler	· AND					
	AND					
	· AND					
	AND					
Date of public	ation of application e.g.19980401 - 19980405					
	AND					
IPC e.g. D01B7	7/04 A01C11/02					
If you use the OR or	peration, please leave a SPACE between keywords.					
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RESULT LIST

7 results found in the Worldwide database for:

acoustic in the title AND "lithium niobate" and euler in the title or abstract

(Results are sorted by date of upload in database)

Surface acoustic wave devices using optimized cuts of lithium niobate (LiNbO3)

Inventor: NAUMENKO NATALYA F (RU); ABBOTT

Applicant:

BENJAMIN P (US) EC: H03H9/02S2B

IPC: H03H9/02; H03H9/02; (IPC1-7): H03H9/64

Publication info: US2003080831 - 2003-05-01

2 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: SHIMIZU YASUTAKA; NISHIKATA ATSUHIRO; Applicant: SHIMIZU YASUTAKA; SANYO ELECTRIC CO

(+1)

EC: IPC: H03H9/25; H03H9/00; (IPC1-7): H03H9/25

Publication info: JP9331229 - 1997-12-22

3 SURFACE ACOUSTIC WAVE ELEMENT AND PORTABLE TELEPHONE SET USING THE SAME

Inventor: SHIMIZU YASUTAKA (JP); NISHIKATA

YASUTAKA (JP)

ATSUHIRO; (+1) EC: H03H9/02S2B

IPC: H03H9/02; H03H9/02; (IPC1-7): H03H9/145

Applicant: SANYO ELECTRIC CO (JP); SHIMIZU

(+2)

Publication info: WO9733368 - 1997-09-12

4 SURFACE ACOUSTIC WAVE FILTER

Inventor: MATSUI KUNIYUKI; HIRAO YASUHIRO; (+6) Applicant: SANYO ELECTRIC CO; SHIMIZU YASUTAKA

ro.

IPC: H03H9/25; H03H9/64; H03H9/00 (+2)

Publication info: JP8340234 - 1996-12-24

5 SURFACE ACOUSTIC WAVE FILTER

Inventor: MATSUI KUNIYUKI; HIRAO YASUHIRO; (+6) Applicant: SANYO ELECTRIC CO (JP); SHIMIZU

YASUTAKA (JP)

EC: H03H9/64E3 IPC: H03H9/25; H03H9/64; H03H9/02 (+4)

Publication info: JP8340232 - 1996-12-24

6 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: SHIMIZU YASUTAKA; NISHIKATA ATSUHIRO; Applicant: SHIMIZU YASUTAKA; SANYO ELECTRIC CO

(+1)

EC: IPC: H03H9/25; H03H9/00; (IPC1-7): H03H9/25

Publication info: JP8316781 - 1996-11-29

7 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: KOBAYASHI TAIZO; MATSUI KUNIYUKI; (+6) Applicant: SANYO ELECTRIC CO; SHIMIZU YASUTAKA

EC: H03H9/02S2B; H03H9/02S8B

IPC: H03H3/08; H03H9/02; H03H9/145 (+8)

Publication info: JP8288788 - 1996-11-01

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RESULT LIST

4 results found in the Worldwide database for: boundary and wave and euler in the title or abstract (Results are sorted by date of upload in database)

ELASTIC BOUNDARY WAVE ELEMENT

Inventor: YAMADA AKINORI

EC:

Applicant: SEIKO EPSON CORP IPC: H03H9/25; H03H9/00

Publication info: JP2007053670 - 2007-03-01

ELASTIC BOUNDARY WAVE ELEMENT

Inventor: YAMADA AKINORI

EC:

EC:

3

Applicant: SEIKO EPSON CORP IPC: H03H9/25; H03H9/00

Publication info: JP2007049482 - 2007-02-22 **ELASTIC BOUNDARY WAVE APPARATUS**

Inventor: SHINDO HAJIME

Applicant: MURATA MANUFACTURING CO

IPC: H03H9/145; H03H9/25; H03H9/145 (+1)

Publication info: JP2007036344 - 2007-02-08

Method for providing a piezoelectric substrate and surface acoustic wave device with reduced bulk acoustic wave scattering

Inventor: PENUNURI DAVID (US)

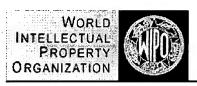
Applicant: MOTOROLA INC (US)

EC: H03H3/08; H03H9/02S2B

IPC: H04R17/00; H01L41/09; H01L41/22 (+13)

Publication info: US5896636 - 1999-04-27

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"stoneley wave" and euler and boundary and (linbo3 or "lithium niobate"): 0 records

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"stoneley wave" and euler and boundary and (linbo3 or





No records matching your query found in PCT

Search Summary

RSS 3

"stoneley wave": 559 occurrences in 33 records.

euler: 4554 occurrences in 1218 records. ("stoneley wave" AND euler): 1 record.

boundary: 299495 occurrences in 52106 records...

(("stoneley wave" AND euler) AND boundary): 1 record.

linbo3: 1867 occurrences in 782 records.

"lithium niobate": 6752 occurrences in 1804 records.

(linbo3 OR "lithium niobate"): 2269 records.

((("stoneley wave" AND euler) AND boundary) AND (linbo3 OR "lithium niobate")): 0 records.

Search Time: 8.06 seconds.





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("stoneley wave" or boundary) and euler and (linbo3 or "lithium niobate"): 3 records Showing records 1 to 3 of 3:

[Search Summary]

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("stoneley wave" or boundary) and euler and (linbo3 or



RSS M

Title

1. (WO 2004/006431) SAW FILTER DEVICE AND METHOD EMPLOYING NORMAL TEMPERATURE BONDING FOR PRODUCING DESIRABLE FILTER PRODUCTION AND PERFORMANCE **CHARACTERISTICS**

Pub. Date Int. Class App. Num

15.01.2004 H03H 9/02 PCT/US2003/018143

Applicant

SAWTEK. INC.

A SAW filter (10) includes a piezoelectric substrate (16) of Lithium Niobate or optionally Lithium Tantalate having a thickness of at least twice an acoustic wavelength. The piezoelectric substrate (16) is bonded to a surrogate substrate (18) of a silicon material. The surrogate substrate (18) is characterized by a resistivity of at least 100 ohm-cm and an expansion coefficient compatible with the piezoelectric substrate (16). A catalytic bonding film (20) between the piezoelectric substrate (16) and the surrogate substrate (18) is formed from a first catalytic bonding film deposited onto a surface of the piezoelectric substrate (16) and a second catalytic bonding film deposited onto a surface of the surrogate substrate (18). The piezoelect...

(WO 2004/004119) SINGLE CRYSTAL SUBSTRATE 08.01.2004 H03H 9/02 PCT/KR2003/001239 AND CUTTING METHOD THEREOF

LG **INNOTEK** CO.,LTD

Disclosed is a single crystal substrate and a cutting method thereof. A single crystal substrate includes a langasite substrate with a SAW propagation surface; and input and output IDTs having electrodes on the surface for launching and/or detecting surface acoustic waves, wherein a direction of surface wave propagation is parallel to an X'-axis, and the substrate further has an Z'-axis perpendicular to the surface and a Y'-axis parallel to the surface and perpendicular to the X'-axis, the langasite substrate having a crystal orientation defined by modified axes X, Y and Z, the relative orientation of axes X', Y' and Z' being defined by Euler angles ~, 8 and yl, in which ~ is in a range of 8° <_ 0 15 S 25°, 8 is i...

3. (WO 2002/019522) SURFACE ACOUSTIC WAVE DEVICES USING NON-SYMMETRIC OPTIMIZED CUTS OF A PIEZOELECTRIC SUBSTRATE

07.03.2002 H03H 9/02 PCT/US2001/014347

SAWTEK INC.

A surface acoustic wave device includes a piezoelectric substrate of a single crystal LiTaO¿3? and an electrode pattern provided on a surface of the piezoelectric substrate which forms a resonator having an electrode thickness in a range of about 1 % to about 15 % of an acoustic wavelength of a surface acoustic wave excited on the surface of the substrate. The piezoelectric substrate has non-symmetric orientation defined by Euler angles (\$g(I), \$g(m), \$g(u)), with angle \$g(I) in a range from -4° to +4°, angle \$g(m) in a range from about -52° to about -36°, and angle \$g(u) in a range from about (-1.365 \$g(l) -4)° to (-1.365 \$g(l) +4)°. Such orientations simultaneously combined with an optimized propagation loss at resonant and anti-re...

Search Summary

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"stoneley wave": 559 occurrences in 33 records. boundary: 299495 occurrences in 52106 records. ("stoneley wave" OR boundary): 52116 records.

euler: 4554 occurrences in 1218 records.

(("stoneley wave" OR boundary) AND euler): 273 records.

linbo3: 1867 occurrences in 782 records.

"lithium niobate": 6752 occurrences in 1804 records.



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Query:

((boundary or stoneley)) <AND>(((e

Query: ((boundary or stoneley)) <AND> (((euler)) <in> abstract) <AND> (((linbo3 or "lithium niobate")) <in> claims)

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